

- Sy*
- A1*
1. (Amended) A silent chain and sprocket assembly comprising:
a sprocket having a plurality of low profile protrusions extending outwardly
from said sprocket at locations spaced along an outer periphery of the sprocket;
a silent chain having a series of inner link rows lying along a chain direction
5 and a series of outer link rows, an outer link row between adjacent inner link rows and
interleaved at opposite ends of the outer link row along the chain direction with the
adjacent inner link rows;
adjacent inner and outer link rows are joined to each other by members
extending through interleaved portions of adjacent inner and outer link rows to form a
10 rotatable joint between the adjacent inner and outer link rows;
the links of said inner and outer link rows form a surface that overlies the
sprocket protrusions and conforms closely to said low profile protrusions on said
sprocket for driving contact with the low profile protrusions; and
the link surface extending along the chain direction a distance substantially the
15 length of the link along the chain direction.
- P2*

5. (Amended) A silent chain and sprocket assembly comprising:
a front-side sprocket, said front-side sprocket having a plurality of teeth
spaced about an outer periphery of said front-side sprocket;
20 a back-side sprocket, said back-side sprocket having a plurality of small, low
profile, protrusions spaced about an outer periphery of said back-side sprocket;

a silent chain having a front-side and back-side, said front-side of said chain engaging said front-side sprocket and said back-side of said chain engaging said back-side sprocket;

- b/w
- the chain having link plates forming inner and outer link rows, said inner and
5 outer link rows interleaved along a chain direction;

A2
Joint

the link plates having a front-side at the front-side of the chain, and a back-side at the back-side of the chain;

- the link plates forming two apertures spaced along the chain direction;
the link plates forming two teeth to engage a tooth of said front-side sprocket
10 at an end of the link along the chain direction, to engage a second tooth at another end of the link along the chain direction, and to engage a third tooth intermediate the teeth at the ends of the link plate;

- the link plates defining a back-side surface that conforms closely to a portion
of the back-side sprocket for driving contact and extends a distance substantially
15 equal to a length of the link plates along the chain direction.